

What is claimed is:

1. A liquid level indicator comprising a plurality of temperature sensors spaced apart from one another, a processor operable to process the output of at least two of the temperature sensors, and an indicator means for providing an indication of the liquid level in response to an output of the processor.
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2. A liquid level indicator according to claim 1, wherein there are two temperature sensors spaced one above the other, when the indicator is in use.
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3. A liquid level indicator according to claim 1, wherein one or more of the temperature sensors comprises a thermistor.
4. A liquid level indicator according to claim 1, wherein the processor is operable to process the output of the temperature sensors at pre-set time intervals.
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5. A liquid level indicator according to claim 1, wherein the processor is operable to respond to the difference between the outputs of the temperature sensors.
- 20 6. A liquid level indicator according to claim 1, wherein the processor is operable to respond to the absolute output of at least one of the temperature sensors.
7. A liquid level indicator according to claim 1, wherein the processor includes a memory device for storing at least one output of at least one temperature sensor taken at a previous time interval, for processing with the most-recently obtained output.
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8. A liquid level indicator according to claim 5, wherein the processor is operable to store at least one difference between outputs of the temperature sensors taken at a previous time interval, for processing with the most-recently obtained difference.
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9. A liquid level indicator according to claim 5, wherein the processor is operable to compare a change in the difference between the outputs of the temperature sensors

with a quantity that is a function of the drop in temperature detected by at least one of the temperature sensors between a previous detection time and the most recent detection time.

- 5 10. A liquid level indicator according to claim 1, wherein the indicator means comprises an audible alarm.
11. A liquid level indicator according to claim 10, wherein the audible alarm comprises a piezo-electric sound generator.
- 10 12. A liquid level indicator according to claim 1, comprising an operation indicative means for confirming that the liquid level indicator is operational.
13. A liquid level indicator according to claim 12, wherein the operation indicative means comprises one or more light emitting devices.
- 15 14. A liquid level indicator according to claim 1, including a housing comprising a main body and a cover attachable to the main body.
- 20 15. A liquid level indicator according to claim 14, wherein the housing includes attachment means for attaching the housing to a container whose liquid level is to be detected.
16. A liquid level indicator according to claim 15, wherein the attachment means comprises at least one magnet for attachment to a metallic container.
- 25 17. A liquid level indicator according to claim 16, wherein the magnet is a ring magnet arranged coaxially about a respective temperature sensor.
- 30 18. A method of indicating a liquid level of a volatile liquid in a pressurized container, the method comprising taking a first measurement indicative of temperature at a first point on the container, taking a second measurement indicative of temperature

at a second point on the container, the second point being below the first point, processing the first and second measurements to determine the difference between the two measurements and then comparing the difference against a pre-set condition, sending a signal to an indicator means dependent on the result of the comparison step, and indicating the liquid level in accordance with the indicator signal.

19. A method according to claim 18, including taking a second set of temperature measurements at the first and second points at a later time, wherein the processing step further comprises comparing the measurement at the first and/or second point at the later time to the measurement at the same point at the earlier time to determine whether or not the overall temperature of the container is falling.

20. A method according to claim 19, wherein, if the temperature of the container is determined to be falling with time, the processing step may continue, whereas if the temperature is determined not to be falling with time, the method returns to the preceding measuring step.